



## Charging the Lightning ZEV4™ Type A School Bus

### Demystifying the charging requirements of Type A vs larger school buses

It's never been a better time to transition to an electric school bus fleet. Vehicles are available right now, and the funding landscape is highly favorable, with money from the EPA's Clean School Bus Program as well as funding from an increasing number of states.

However, it may not be obvious how electric school buses can be charged. Larger buses, such as Type C or D, may require DC fast charging, which delivers electric charge quickly. This is because their battery capacities are larger, which suits the heavier vehicles. But for Lightning's Type A class 4 school bus, which has 120 kilowatt-hours of battery capacity, AC "level 2" charging is in most cases the better solution.

Lightning ZEV4™ vehicles can be charged on an AC charger at up to 13.2 kW. This means that a full charge from 0% to 100% should take about 9 hours, which is easily achieved overnight for pretty much any school schedule, especially as most buses won't be close to 0% at the end of the day. And with buses often idle during class hours, there's an opportunity to top up the charge for those vehicles that run the longer routes.

AC chargers, such as the Lightning Energy 19.2 kW charger, are inexpensive to purchase and install, and can be deployed rapidly in sufficient numbers to charge your fleet of electric Type A buses.

Problem solved.

### Contact us today for more information!

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*Level 2 AC charger*

